

Land Classification Interpretations

Prime and Important Farmland

Prime farmland is land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops, and is also available for these uses (the land could be cropland, pastureland, forest land, or other land, but not urban built-up land or water). It has the soil quality, growing season, and moisture supply needed to economically produce sustained high yields of crops when treated and managed, including water management, according to acceptable farming methods.

In general, prime farmlands have an adequate and dependable water supply from precipitation or irrigation, a favorable temperature and growing season, acceptable acidity or alkalinity, acceptable salt content, and few or no rocks. They are permeable to water and air. Prime farmlands are not excessively erodible or saturated with water for a long period of time, and they either do not flood frequently or are protected from flooding.

This section includes lists of soil survey map units that meet the soil requirements for prime farmland in the county and state. Soils that have limitations, such as a high water table or flooding, may qualify as prime farmland if these limitations are overcome by such measures as drainage or flood control. State important soils are also noted.

This subsection includes:

- **(a) County Prime Farmland List**
- **(b) Missouri's Soil Survey Mapping Units Denoting Prime Farmland and Farmland of Statewide Importance**

Butler County and Part of Ripley County, Missouri
Prime Farmland

(Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland. If a soil is prime farmland only under certain conditions, the conditions are specified in parentheses after the soil name.)

Map symbol	Soil name
1	Adler silt loam, occasionally flooded
2	Amagon silt loam, occasionally flooded (Prime farmland if drained)
3B	Elk silt loam, 1 to 4 percent slopes, occasionally flooded
5B	Bosket fine sandy loam, 2 to 5 percent slopes
7	Calhoun silt loam, occasionally flooded (Prime farmland if drained)
8B	Captina silt loam, 2 to 5 percent slopes
8B2	Captina silt loam, 2 to 5 percent slopes, eroded
11	Crowley silt loam
14B	Dubbs silt loam, 0 to 5 percent slopes
18B	Hartville silt loam, 1 to 4 percent slopes, occasionally flooded
19	Hontas silt loam, occasionally flooded
20	Houlka silty clay loam, occasionally flooded
23B	Loring silt loam, 2 to 5 percent slopes
23B2	Loring silt loam, 2 to 5 percent slopes, eroded
25	Nolin silt loam, occasionally flooded
26B	Peridge silt loam, 2 to 5 percent slopes
27	Secesh silt loam, occasionally flooded
28	Tuckerman fine sandy loam, occasionally flooded
29B	Tuckerman-Bosket fine sandy loams, 0 to 5 percent slopes
30	Wideman fine sandy loam, 0 to 5 percent slopes, occasionally flooded
33	Calhoun silt loam (Prime farmland if drained)